

COMPLETE LISTING OF PENDING CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in this application.

Listing of Claims:

1. (Previously Presented) An apparatus comprising

- a case structure,
- a display component fitted with the case structure,
- a camera device, including a rotatable image sensor fitted

entirely inside the case structure and optics,

- an aperture arrangement including at least two apertures fitted in the case structure, for exposing the image sensor directly from the outside, in which the image sensor is rotatable to at least two exposure directions, at least to the display-component side and to an opposite side relative to the display component, according to which exposure directions the aperture arrangement is arranged in the case structure and at least part of the optics is arranged to be rotatable along with the image sensor and at least part of the optics is arranged in connection with the aperture arrangement, and a mechanism configured to move at least the image sensor linearly in the case structure to a position clear of the first and second apertures, in order to permit rotation of the image sensor, wherein the sensor is rotatable between sets of aperture and optics arranged in a fixed connection with the respective aperture.

2. (Previously Presented) An apparatus according to Claim 1, further comprising actuator devices that enable alteration of a focal length of the camera device.

3. (Previously Presented) An apparatus according to Claim 1, wherein at least part of the optics is configured to enable close-up imaging.

4. (Previously Presented) An apparatus according to Claim 1, further comprising shutter devices configured to close the aperture that is not in use at the time.
5. (Previously Presented) An apparatus according to Claim 4, wherein the shutter devices operate in conjunction with the camera device.
6. (Previously Presented) An apparatus according to Claim 1, further comprising at least one detection device configured to determine the exposure direction in use at a given time.
7. (Previously Presented) A method for controlling the orienting of a camera device in an electronic device, in which there are directional camera devices inside the case structure of the device, including at least a rotatable image sensor, and optics and in which the case structure includes an aperture arrangement including at least two apertures in connection with at least part of the optics is arranged for exposing the image sensor directly from the outside, which aperture arrangement is arranged in at least two exposure directions at least to a display-component side and to an opposite side relative to the display component, and in which method
 - the image sensor and at least part of the said optics are oriented by rotating them to the selected exposure direction without directing the orienting operations to the actual case structure of the device and
 - imaging is performed,wherein the image sensor and the said part of the optics are linearly moved in the case structure to a position clear of the first and second apertures, in order to permit rotation of the image sensor, wherein the sensor is rotatable between sets of aperture and optics arranged in a fixed connection with the respective aperture.
8. (Previously Presented) A method according to Claim 7, wherein the part of the aperture arrangement not in use at the time is shut off from the aperture arrangement.

9. (Previously Presented) A method according to Claim 7, wherein the rotation of the image sensor and the optics is motorized.

10. (Previously Presented) An image sensor, which can fitted to an electronic device, which electronic device includes

- a case structure,
- a display component arranged in connection with the case structure,
- a camera device fitted inside the case structure, including the said entirely internally fitted rotatable image sensor, and optics, and
- an aperture arrangement including at least two apertures fitted in the case structure in connection with which aperture arrangement at least part of the optics is arranged, for exposing the image sensor directly from the outside,

in which the image sensor is rotatable to at least two exposure directions, at least to the display-component side and to an opposite side relative to the display component, according to which exposure directions the aperture arrangement is arranged in the case structure and at least part of the optics is arranged to be rotatable along with the image sensor, wherein the image sensor and the optics arranged in connection with it can be linearly moved in the case structure to a position clear of the first and second apertures, in order to permit rotation of the image sensor, wherein the sensor is rotatable between sets of aperture and optics arranged in a fixed connection with the respective aperture.

11. (Previously Presented) An electronic device comprising:

a case having a front side and a back side with at least two apertures, with two apertures arranged so that one aperture is on the front side and another aperture is on the back side, the two apertures aligned with each other,

a camera device, including a rotatable image sensor disposed between the front side and the back side rotatable to selectively point through either aperture,

and fitted in the case, and optics, and

a mechanism configured to slide the image sensor inside the case to a position away from the aligned apertures at which position the image sensor is rotatable, wherein the sensor is rotatable between sets of aperture and optics arranged in a fixed connection with the respective aperture.

12. (Previously Presented) An electronic device as in claim 11 where the electronic device comprises a mobile telephone.

13. (Previously Presented) An electronic device as in claim 1 where the electronic device comprises a mobile telephone.